



SYSTEM CNS

WORKING CONTEXT

The "CNS" system is based on a variation of the "STOP" position on the key and a corresponding carbide insert in the barrel which ensures alignment of the pins with the key cuts.

PRINCIPLES OF THE FUNCTION

• THE KEYS ARE PATENTED

- Austrian patent-number: 399.530, patent duration: till 2013
- European patent-number:637.663, patent duration: till 2014
Patent pending in Belgium ,Germany , France, Great Britain, Italy, Luxemburg, Netherlands, Sweden and Spain.
- Poland patent-number: 176.491, patent duration: till 2014

• CARBIDE STOP IN THE BARREL OF THE CYLINDER

There is variably formed stop made of carbide in the barrel of the cylinder (1).

• STOP POSITION VARIATION

The cylinder section in figure 2 shows how the correct key stop and matching insert are requirement for the pin → key-cut alignment.

• SPECIAL DRILLING PROTECTION

The carbide insert in the barrel gives increased drilling protection.

• CNS CAN BE USED FOR ALL GEGE - KEYS

When using this patent the names of the systems change as following:

AP 2000→CNS-2

AP 3000→CNS-3

AP 4000→CNS-4

- **SYSTEM COMBINATIONS**
 - CNS-2 + CNS-3
 - CNS-2 + CNS-4
 - AP 2000 + CNS-2
 - AP 3000 + CNS-3
 - AP 4000 + CNS-4

Master key suites must comply with the following standards:

- Security (technical and patent law protection)
- Organisation
- Optimisation of the costs

KARA



SYSTEM CNS

The application of high security patented cylinder may not be required for all doors in a system.

Typically a high security patented cylinder would be used for external doors and rooms where access to personnel is highly restricted.

Master systems can be designed using a combination of AP 2000 cylinders with the CNS system (CNS-2) and AP 3000 cylinders with the CNS system (CNS-3).

A patented system with the additional security of the AP 3000 cogwheel system where required.

- **UTILITY**

- **Advantages**

The „CNS“ system offers:

- A completely new patented system
- A system which uses all the technical advantages of the highly developed GEGE range, drilling protection, picking protections, cogwheel, axial ball transfer from the AP 4000 system.

All the features plus the security of the patent.

- A means where by the system can be designed to suit the level of security desired by the user thus ensuring maximum user value and future upgrade protection. Master system which is the future can be enlarged and changed to suit the level of security required at the most economic cost.

